

UPSC Q.C.A

Q. What is cloud computing? What are its applications? What are the issues involved with it?

Ans. The technological development in the data storage sector has been evolving at a tremendous rate, the latest development has been in this field is Cloud Computing.

Cloud Computing

Cloud Computing is the on-demand availability of computer system resources, especially data storage and computing power without direct active management by the user.

This technology enables the user to store his or her data directly on the internet server

rather than the hard drive which can be accessed from any device on the same server.

Applications

This technology has opened ^{26.5 CM} new avenues for human intelligence ~~at~~ in various fields.

data storage :- Now anyone can store their excess data on the server by paying some cost and can be ensured of the safety of the data which cannot be lost.

eg Google Gmail

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The main issues are:-

Insensitive towards Humans

Robots does not understand the limitations and mortality of humans.

Not completely tested

This technology, if used in vicinity of humans needs satisfaction of human safety. Hidden lacunas might still be present.

Does not understand emotions.

These robots does not understand emotions, which might cause lethal misunderstandings.

A lot of testing is required in this field

before implementing any sort of robotic A-I in the human vicinity.

May cause unemployment

A big worry is that machines are more efficient than man and companies might substitute men via robots, which destroys the motive of A-I which is to make human lives better.

These technologies have a bright future on the condition that further development is done carefully. undertaken.